

Developed by radiologists to bring you maximal productivity and patient satisfaction in your clinic



[www.symbioticdevices.com.au](http://www.symbioticdevices.com.au)

# Pearl Technology AG

Pearl Technology AG specializes in the field of patient positioning for radiology, nuclear medicine and radiotherapy and offers a broad range of durable, resistant and hygienic positioning aids for various applications.

Pearltec positioning aids are medical devices class 1 and are CE-labeled accordingly.



We look forward to hearing from you and further familiarizing you with our products and solutions.

**ARTG ID: 284187**



# New Products 2021



## ProFoam Positioning Aids **NEW** Page 14

### Perfectly hygienic foam positioning aids

The ProFoam positioning aids are made of a dimensionally stable foam material and are welded into a durable polyurethane foil.

- Durable surface even with 90% alcohol disinfection
- Welded seams also absolutely tight in the cleaning bath

The ProFoam positioning aids are available in the most common shapes and sizes as well as two different degrees of stability.



## ProBelt **NEW** Page 16

### Perfectly hygienic CT belt and fixation systems

ProBelt is the first completely velcro-free belt system for the fixation of patients on a CT table and is compatible with all manufacturers.

- Perfectly hygienic (PU-foil without hook and loop fastener)
- Rail adapter available for all CT tables
- Simply adjustable, adjustment to patients size with hook eyelet



## CT Table Cover **NEW** Page 18

### Hard-wearing and durable CT mat protection

The CT Table Covers are protective sleeves made of PU foil and are available for CT table covers from various manufacturers.

- Durable surface even with 90% alcohol disinfection
- Extra safety thanks to specially adapted flaps
- Durable and hard-wearing materials with high-quality workmanship

# Pearltec Immobilization Aids

## MULTIPAD Product Family

The flexible and universally applicable MULTIPAD family of products enables optimum patient placement, positioning and fixation when it comes to examinations using MRI head and extremity coils.



### MULTIPAD Standard



Dimensions: 17 x 6 cm, Variable Thickness: 2 – 5 cm

The MULTIPAD Standard is particularly suitable for situations where there are no specific restrictions.

Product Number	Qty
SDP-MU0004	1/pk



### MULTIPAD Plus



Dimensions: 17 x 11 cm, Variable Thickness: 2 – 5 cm

The MULTIPAD Plus is particularly suitable to fill larger gaps.

Product Number	Qty
SDP-MU0003	1/pk



### MULTIPAD Slim



Dimensions: 17 x 9 cm, Variable Thickness: 1 – 3 cm

The MULTIPAD Slim is particularly suitable for situations where space is limited.

Product Number	Qty
SDP-MU0002	1/pk



### MULTIPAD Ear

Dimensions: 17 x 10 cm, Variable Thickness: 1 – 4 cm

The MULTIPAD Ear is perfect for immobilizing the patient's head during MRI scans when using in-ear headphones or earplugs.

Product Number	Qty
SDP-MU0021	1/pk



### MULTIPAD Bendy

Dimensions: 23 x 9 cm, Variable Thickness: 1 – 4 cm

The MULTIPAD Bendy is perfectly suited for a wide variety of joint examinations, particularly those involving flex coils.

Product Number	Qty
SDP-MU0022	1/pk



### MULTIPAD Research Kit

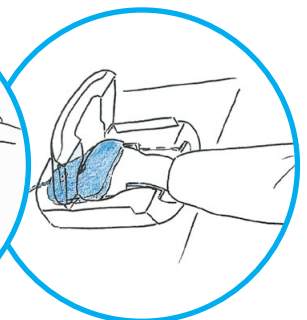
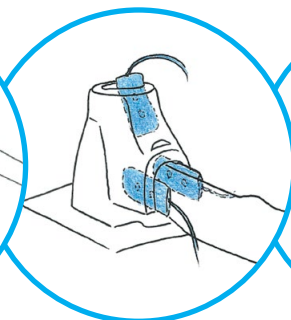
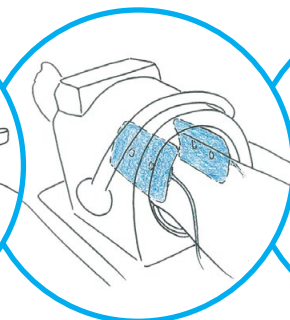
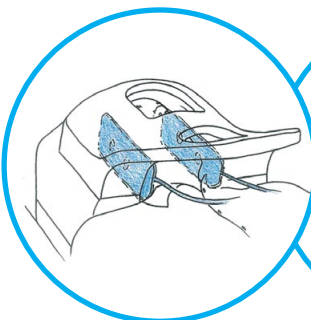
Components:

MULTIPAD Ear, Bendy und Slim, MULTIPAD Cover, Handpump, various tubes, connectors and clamps.

Product Number	Qty
SDP-MU0023	1/pk



Learn more  
Watch the  
Video!



# Pearltec Immobilization Aids

## CT HeadFix

The CT HeadFix offers an integrated, fast and hygienic positioning solution for the fixation of the head during CT scans and is compatible with the head holders of major manufacturers.



### CT HeadFix

Immobilization aid for head fixation in CT head holder. Compatible with various CT head holders.

Product Number	Qty
SDP-MU0005	1/pk



# Pearltec Immobilization Aids

## CRANIA

The CRANIA products offer an optimum patient placement, positioning and immobilization during head MRI examinations. The arrangement of the pearl chambers allows the suppression of movements in three axes and reduces motion artifacts.



### CRANIA Adult

The CRANIA Adult is specifically suitable for research oriented head exams, such as fMRI/EEG.

Product Number	Qty
SDP-MU0024	1/pk



### CRANIA Child

The CRANIA Child is specifically suitable for pediatric head exams with children older than 3 years.

Product Number	Qty
SDP-MU0025	1/pk



Learn more  
Watch the  
Video!

# Pearltec Immobilization Aids

## BabyFix Cocoon

The BabyFix Cocoon creates ideal conditions for a safe and careful examination procedure for newborn babies in the MRI scanner.



### BabyFix Cocoon

Positioning aid for the immobilization of newborn babies (2 – 5kg) during MRI imaging.

Product Number	Qty
SDP-MU0001	1/pk



### Hand-Vakuumpumpe

Hand Vacuum-Pump is MR-compatible and can be used to withdraw air from vacuum cushions.

Product Number	Qty
SDP-MI0050	1/pk



# Pearltec Sanitary Cover

## Cover

Pearltec Sanitary Covers form an integral component for a hygienic and patient friendly application of positioning aids as well as headphones.



### Cover MULTIPAD

Bag of 100 pcs

Sanitary single-use cover for MULTIPAD product family.

Product Number	Qty
SDP-MI0002	1/pk



### Cover Headphones

Bag of 100 pcs

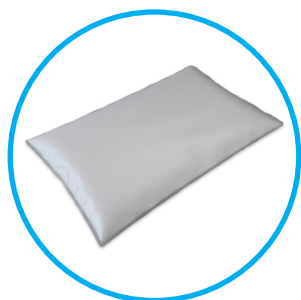
Sanitary single-use cover for headphones.

Product Number	Qty
SDP-MI0026	1/pk

# Pearltec Positioning Aids

## PearlFit

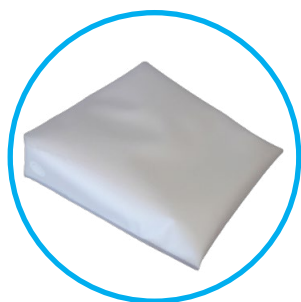
PearlFit positioning aids can be used for stable but yet comfortable patient positioning inside and outside the field of view during all radiological procedures.



### PearlFit Cushion

Product Number	Size	Qty	
SDP-MU0006	22 x 8 x 1 cm	1/pk	
SDP-MU0007	27 x 6 x 1 cm	1/pk	
SDP-MU0008	30 x 11 x 2 cm	1/pk	
SDP-MU0009	30 x 20 x 4 cm	1/pk	TIP
SDP-MU0010	50 x 20 x 4 cm	1/pk	
SDP-MU0011	50 x 30 x 7 cm	1/pk	TIP
SDP-MU0012	50 x 30 x 10 cm	1/pk	TIP
SDP-MU0013	50 x 50 x 5 cm	1/pk	TIP
SDP-MU0014	130 x 60 x 10 cm	1/pk	
SDP-MU0015	200x 75 x 7 cm	1/pk	

Depending on the size, PearlFit Cushions are perfectly suitable for a stable patient positioning inside and outside the field of view without any pressure points.



### PearlFit Wedge

The PearlFit Wedge helps to create a specific angle for certain body parts.

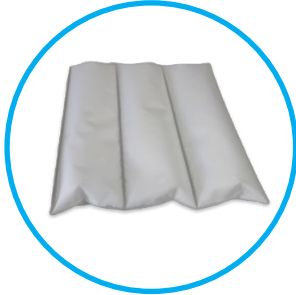
Product Number	Size	Qty	
SDP-MU0018	26 x 25 x 7 cm	1/pk	
SDP-MU0019	30 x 50 x 15 cm	1/pk	
SDP-MU0020	56 x 50 x 25 cm	1/pk	TIP



### PearlFit Roll

The PearlFit Roll can be used during all radiological procedures and is primarily used in the hollow of the knee when patient is lying in supine position.

Product Number	Size	Qty	
SDP-MU0016	Ø = 18, L = 40 cm	1/pk	
SDP-MU0017	Ø = 18, L = 50 cm	1/pk	TIP



### PearlFit Flex

The PearlFit Flex products can be used as either cushion, wedge or roll making them universally applicable for a broad range of examinations.

Product Number	Size	Qty
SDP-MU0027	6 chambers, 90 x 50 x 5 cm	1/pk
SDP-MU0028	3 chambers, 90 x 50 x 7 cm	1/pk



### PearlFit Head/Neck

The PearlFit Head/Neck is used to support the patient's head when lying in supine position.

Product Number	Qty	TIP
SDP-MU0029	1/pk	



### PearlFit Forehead

The PearlFit Forehead consists of two components and is used to support the patient's head in prone position.

Product Number	Qty
SDP-MU0030	1/pk



### PearlFit Inlay Head

PearlFit Inlay is form-fitted to a broad range of coils, cradles and holders and reduces pressure points at the back of the head.

Product Number	Qty
SDP-MU0031	1/pk

# Pearltec Positioning Aids

## PearlFit Vac

PearlFit Vac positioning aids become stable by withdrawing air and allow a reproducible patient positioning.



### PearlFit Cushion Vac

Depending on the size, PearlFit Cushions Vac are perfectly suitable for a stable patient positioning inside and outside the field of view without any pressure points.

Product Number	Size	Qty
SDP-MU0032	30 x 20 x 4 cm Vac	1/pk
SDP-MU0033	50 x 20 x 4 cm Vac	1/pk
SDP-MU0034	50 x 30 x 7 cm Vac	1/pk
SDP-MU0035	50 x 30 x 10 cm Vac	1/pk
SDP-MU0036	50 x 50 x 5 cm Vac	1/pk
SDP-MU0037	90 x 60 x 5 cm Vac	1/pk
SDP-MU0038	130 x 60 x 10 cm Vac	1/pk
SDP-MU0039	200x 75 x 7 cm Vac	1/pk



### PearlFit Wedge Vac

The PearlFit Wedge Vac helps to create a specific angle for certain body parts.

Product Number	Size	Qty
SDP-MU0040	26 x 25 x 7 cm Vac	1/pk
SDP-MU0041	30 x 50 x 15 cm Vac	1/pk
SDP-MU0042	56 x 50 x 25 cm Vac	1/pk



### PearlFit Head/Neck Vac

The PearlFit Head/Neck Vac is used to support the patient's head when lying in supine position.

Product Number	Qty
SDP-MU0043	1/pk



### Hand Vacuum-Pump

The Hand Vacuum-Pump is MR-compatible and can be used to withdraw air from vacuum cushions.

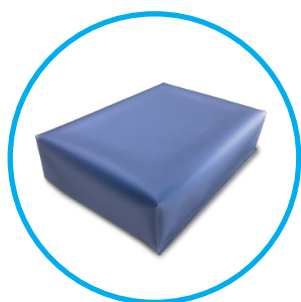
Product Number	Qty
SDP-MI0050	1/pk



# Pearltec Positioning Aids

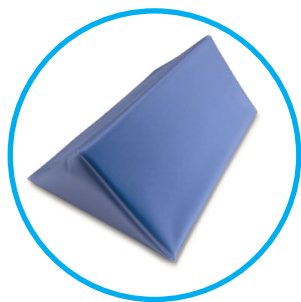
## ProFoam – soft

The ProFoam positioning aids are made of a soft foam material and are welded into a durable polyurethane foil. They are available in the most common shapes and sizes and are suitable for a wide range of applications, such as in the field of radiology.



### ProFoam Plate **NEW**

Product Number	Size	Qty
SPD-MU0045	25 x 18 x 5 cm	1/pk



### ProFoam Wedge 45 **NEW**

Product Number	Size	Qty
SPD-MU0046	18 x 25 x 12 cm	1/pk
SPD-MU0047	18 x 11 x 5 cm	1/pk
SPD-MU0048	36 x 25 x 12 cm	1/pk
SPD-MU0049	60 x 25 x 12 cm	1/pk



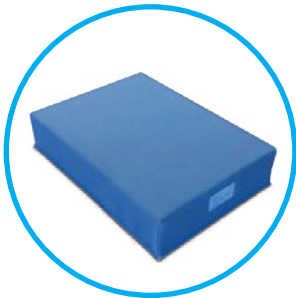
### ProFoam Wedge 15 **NEW**

Product Number	Size	Qty
SPD-MU0053	26 x 25 x 7 cm	1/pk

# Pearltec Positioning Aids

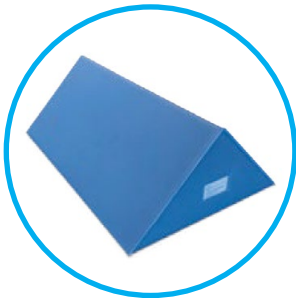
## ProFoam – stable/hard

The ProFoam positioning aids DS are made of a dimensionally stable foam material and are welded into a durable polyurethane foil. They are available in the most common shapes and sizes and are suitable for a wide range of applications, such as in the field of radiology.



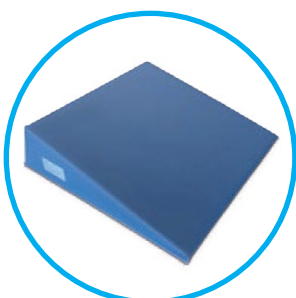
### ProFoam Plate DS **NEW**

Product Number	Size	Qty
SPD-MU0050	25 x 18 x 5 cm	1/pk



### ProFoam Wedge 45 DS **NEW**

Product Number	Size	Qty
SPD-MU0060	18 x 25 x 12 cm	1/pk
SPD-MU0061	18 x 11 x 5 cm	1/pk
SPD-MU0062	36 x 25 x 12 cm	1/pk
SPD-MU0063	60 x 25 x 12 cm	1/pk



### ProFoam Wedge 15 DS **NEW**

Product Number	Size	Qty
SPD-MU0051	26 x 25 x 7 cm	1/pk

# ProBelt – Perfectly hygienic CT belt and fixation systems

NEW



No hook-and-loop



## Perfectly hygienic

- Smooth PU-foil without hook-and-loop fastener
- Safe to disinfect even with 90 % alcohol



## High Durability

- Durable and hard-wearing materials with high-quality workmanship
- Strong immobilization even with uncooperative patients



## Quick and easy to use

- Rail adapter to move ProBelt to the right position
- Simple and intuitive closing mechanism



# Pearltec Belt Systems

## ProBelt

ProBelt is the first completely hook-and-loop-free belt system and allows a perfectly hygienic fixation of patients on the CT. The ProBelt system is compatible with the CT tables of all common equipment manufacturers using different rail adapters.



### ProBelt **NEW**

ProBelts are inserted into the designated table rails and get closed by using the eyelet in order to immobilize the patient.

Product Number	Description	Qty
SDP-MU0052	200 R2 For GE	1/pk
SDP-MU0064	200 R3 For Siemens and Philips	1/pk
SDP-MU0065	200 T5 For Canon	1/pk



### ProBelt Thorax **NEW**

The ProBelt Thorax System helps to fix the arms to the patient's upper body and is especially used for polytrauma and thoracic abdomen CT examinations.

Product Number	Description	Qty
SPD-MU0066	200 PFC	1/pk
SPD-MU0067	200 PFW	1/pk

#### ProBelt in Practice Testimonial

**Dr. Sascha Pietruschka**, Chief Medical Officer Institute of Radiology and Neuroradiology, DBK-Neubrandenburg, Germany.

"[...] It is out of the question to avoid a contamination of the conventional 'fabric-based belts/straps' provided by the CT-equipment manufacturers. At the same time, a quick and proper disinfection bringing down the contamination of these straps below the maximum tolerable level, is also impossible. [...]"

We were able to prove that by using commercially available disinfectants, a hygienically perfect and immediate use of the 'ProBelt' is possible and that the "ProBelt" system solves the hygiene problem 100 %.

"[...] According to my radiographers, the handling and fixation strength is at least as good as with conventional belts."



# Pearltec Table Cover

## CT Table Cover

The CT Table Covers are protective sleeves made of PU foil and are available for CT table covers from various manufacturers. The specially designed flaps provide additional safety and the high-quality materials and workmanship make the product hard-wearing and durable.



### CT Table Cover **NEW**

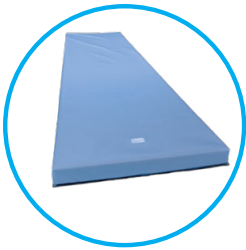
Product Number	Description	Qty
SDP-MU0059	2090 For Canon CT	1/pk
SDP-MU0054	2360 For Canon CT	1/pk
SDP-MU0055	1790 For Canon CT	1/pk
SDP-MU0056	1860 For Canon CT	1/pk
SDP-MU0057	2070 For Canon CT	1/pk
SDP-MU0058	400 For Canon CT	1/pk

Additional sizes for CT tables of other manufacturers available upon request.



# Pearltec Customized Solutions

As a result of our many years of experience in the field of patient positioning, we are also able to realize customized solutions using different materials as well as different technologies.



## Table pads for X-ray / CT / MRI

Hard-wearing and durable table pads according to the latest hygiene standards in different lengths, stability and fabrics.

## Arm Holder Angio in combination with arm shells

Positioning aid for comfortable fixation of the arms without pressure points in interventional radiology, cardiology and neuroradiology.



## Head fixation angio

Vacuum positioning aid to immobilize head during neurovascular interventions in combination with iFIX and inclination wedge.

## Mamma MRI comfort pad

Positioning aid to reduce pressure pain at the sternum/rib comb in Mamma MRI examinations (Optimized for Philips 7 channel coil).

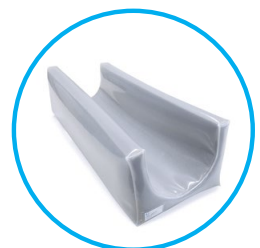


## Elevating Cushion

Positioning aid for pneumatic elevation of immobile palliative patients in MRI.

## U-profiles for veterinary medicine

U-profiles made of foam and welded into a hard-wearing polyurethane foil for an excellent hygiene.



# iFIX Fixation System

The iFIX Patient Fixation System is a hygienic alternative to belts, tapes and hook and loop. It combines micro-hook anchor products with a medical single-use fleece.



## iFIX Fleece

iFIX Fleece is available in three different sizes and comes on a roll in a dispenser box. By utilizing the included cutter it can be cut to the length needed.

Product Number	Description	Qty
SDP-MI0004	iFIX Fleece 5 (Roll: 5 cm x 30 m)	1/pk
SDP-MI0005	iFIX Fleece 15 (Roll: 15 cm x 200 m)	1/pk
SDP-MI0006	iFIX Fleece 50 (Roll: 50 cm x 30 m)	1/pk



## iFIX Head Mask

iFIX Head Mask is used to immobilize the patient's head.

Product Number	Size	Qty
SDP-MI0006	XS	10/pk
SDP-MI0007	S	10/pk
SDP-MI0008	M	10/pk
SDP-MI0009	L	10/pk
SDP-MI0010	XL	10/pk
SDP-MI0011	L elongated	10/pk





### iFIX Slot Adapter

iFIX Slot Adapter is coated with micro-hook and can be slid into the rails on the patient table.

Product Number	Description	Qty
SDP-MI0012	iFIX Slot Adapter 8/30	4/pk
SDP-MI0013	iFIX Slot Adapter 3/30	4/pk



### iFIX Patch

iFIX Patch is a self-adhesive micro-hook that can be applied on the patient table as well as on PearlFit (Vac) positioning aids cushions.

Product Number	Description	Qty
SDP-MI0020	iFIX Patch 15	8/pk
SDP-MI0021	iFIX Patch 25	6/pk
SDP-MI0022	iFIX Patch 50	4/pk
SDP-MI0023	iFIX Patch 75	4/pk
SDP-MI0024	iFIX Patch 15 x 6	3/pk



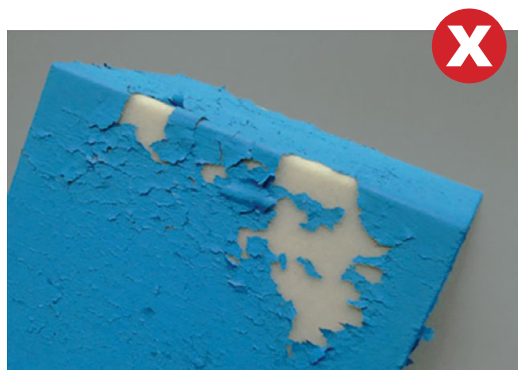
### iFIX Patch Adapter

iFIX Patch Adapter is coated with micro-hook and can be applied on existing hooks of holders, cradles and patient tables.

Product Number	Description	Qty
SDP-MI0025	iFIX Patch Adapter 50	4/pk

# Guideline to keep positioning aids hygienic

- Clean and disinfect positioning aids after every patient
- Use disinfectants approved by hospital's hygiene expert (e.g. 62-72% ethanol)
- Consult with manufacturer of positioning aids on how to best clean and disinfect positioning aids without harming the surface
- Periodically inspect positioning aids for cracks, tears and porous surfaces as well as contamination
- Replace damaged or contaminated pads with new pads incorporating permanent antimicrobial agent
- Use positioning aids with waterproof covering that is designed to be surface wiped with strong disinfectants



# Cleaning Instructions

## Pearltec Positioning Aids

This page provides a selection of cleaning and disinfectant solutions, which can be used to clean and disinfect Polyurethane foils of the following Pearltec positioning aids:

- MULTIPAD
- ProFoam
- BabyFix Cocoon
- CT HeadFix
- CT Table Cover
- PearlFit
- CRANIA
- ProBelt
- PearlFit Vac

## Recommended Cleaning and disinfectant solutions

Pearltec products can be cleaned and disinfected with any in the medical environment commonly used surface disinfectants, such as:

- |   |  |  |
|---|--|--|
| <p>Alcohol</p> <ul style="list-style-type: none"> <li>• Incidin liquid (Ecolab)</li> <li>• Mikrozid AF liquid (Schülke)</li> <li>• 70 % Alcohol (Hänseler)</li> <li>• 2-Propanol (Sigma Aldrich)</li> </ul> | <p>Non-Alcoholic</p> <ul style="list-style-type: none"> <li>• Mikrozid sensitive liquid (Schülke)</li> </ul> <p>Aldehyde-free</p> <ul style="list-style-type: none"> <li>• Biguanid Fläche N (Schumacher / Dengg)</li> <li>• TPH protect (Schülke)</li> <li>• Kohrsolin FF (Hartmann)</li> </ul> | <p>Oxygen releasing agents</p> <ul style="list-style-type: none"> <li>• Perform (Schülke)</li> </ul> |
|---|--|--|

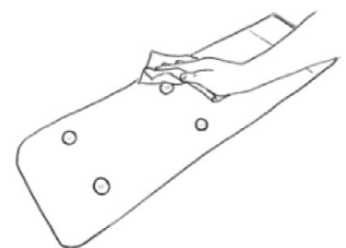
## Cleaning and disinfection instructions:

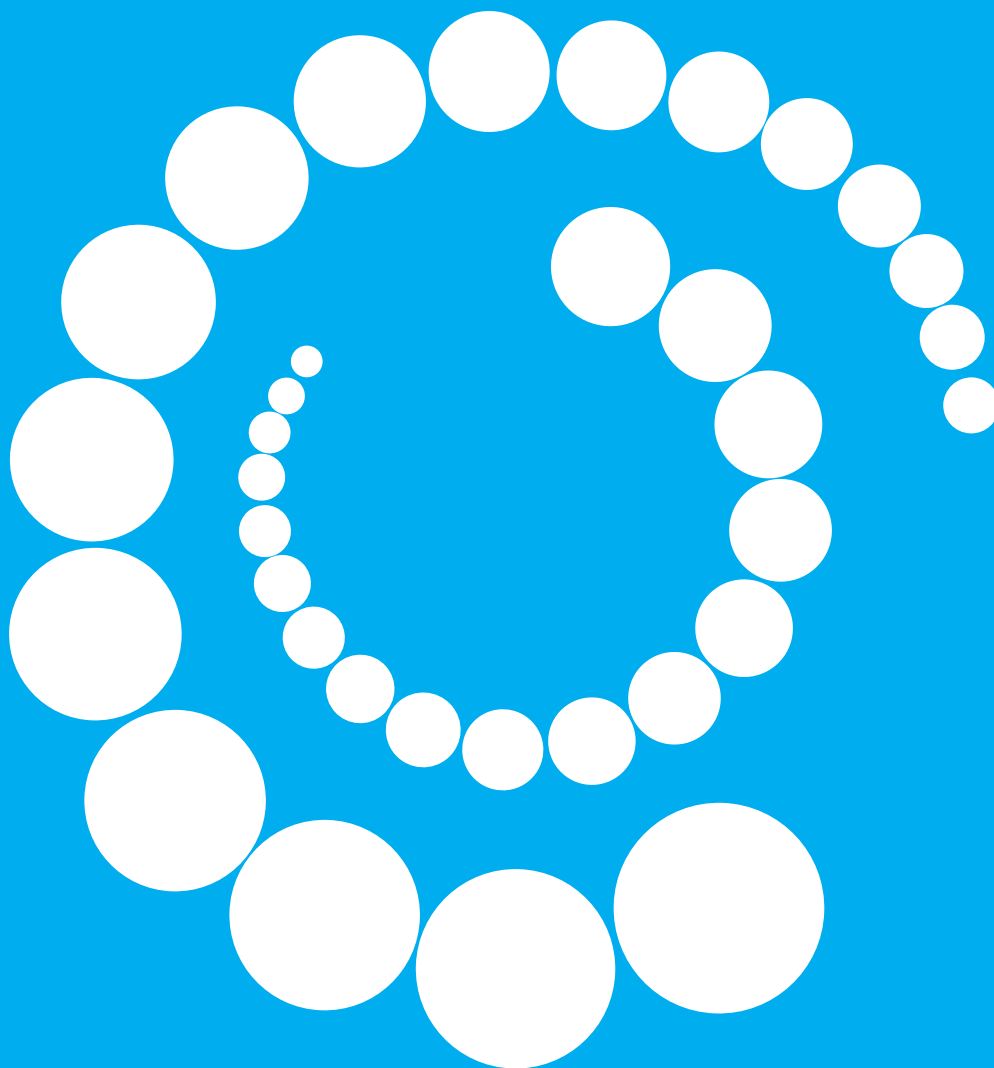
A) Use a hygiene barrier between patient and Pearltec product for each application to additionally protect the surface of the product.

B) Clean Pearltec product after each application with approved disinfectants for surface disinfection.

C) Thoroughly clean and disinfect the entire product surface only by means of wiping, for example with prefabricated disinfection tissues. Do not spray/apply cleaning agent directly onto product. Do not sterilize products.

D) ProFoam and ProBelt products (not ProBelt Thorax) can alternatively be immersed in cleaning bath.





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